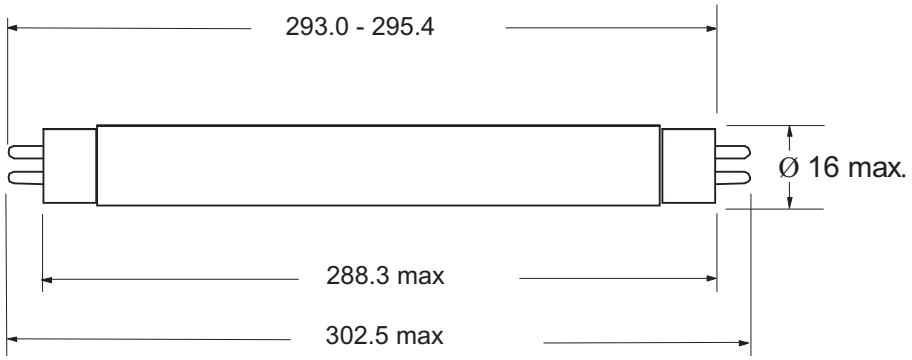
PestWest®
FLYING INSECT SCIENCE

UV-A ENERGY SOURCE

F15W T5 QUANTUM
50 Hz-Operation

DIMENSIONS (mm) Nominal Dimensions: 288 x 16



Cap Type: G5 (EN60061-1 sheet -7004-52)

ELECTRICAL DATA[1]		**Nominal Value**	**Min.**	**Max.**
Lamp rated wattage	(W) :	15.0	13.8	16.3
Lamp operating voltage (rms)	(V) :	40	34	46
Lamp current	(mA) :	450		
High Frequency Data(>20kHz)				
Lamp rated wattage	(W) :			
Lamp operating voltage	(V) :			
Lamp current	(mA) :			

OPERATING CONDITIONS:

Ballast impedance - single lamp 50Hz	:	20W	110V FS22 Starter
Ballast impedance - twin series 50Hz	:	40W	220V FS22 Starter

		Nominal Value	**Min.**	**Max.**
Cap Rim temperature	(°C) :			80
Lamp Ambient Temperature	(°C) :	25	-15	50
Operating Position	:	Unrestricted		

LAMP LIFE[2]

Average Electrical life	(h) :	10000				

UV OUTPUT DATA:

Peak Intensity at 350 nm

UV-A	(315 - 400 nm)	:	<	25.3	$\mu W/cm^2$	at 1000 mm
UV-B	(280 - 315 nm)	:	<	0.35	$\mu W/cm^2$	at 1000 mm
UV-C	(260 - 280 nm)	:	<	0.005	$\mu W/cm^2$	at 1000 mm

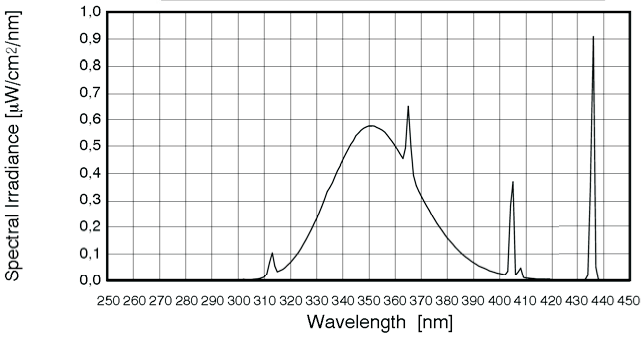
APPLICATION: **UV Irradiation in industrial and commercial applications.**

Attention:
This UV-A energy source emits UV radiation. Avoid exposure to skin and eyes.
This product must be used with suitable operating equipment and in accordance with the specified data. This product is in accordance with relevant IEC standards.
Ballast must comply to EN 60 921 for AC mains frequency or EN 61 699.
[1]Measured according to EN 60 081, at 50Hz, lamp aged 100h
[2]Life test according to EN 60 081

Evaluation acc. EN60335-2-59

MW 15WT5BL350 ***0 h***

A) Spectral Irradiance vs. Wavelength



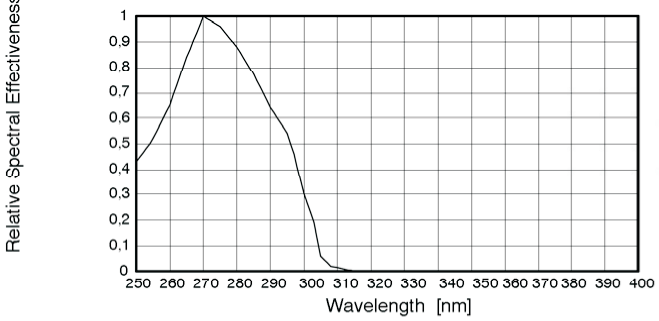
Spectral Irradiance @ 1m distance

UVA = 25,3 µW/cm²
UVB = 0,35 µW/cm²
UVB/UVA = 1,39 %

Wavelength range acc. to CIE
UVA : 315 - 400 nm
UVB : 280 - 315 nm

Lamp parameter:
Voltage 44,0 V
Current 0,310 A
Power 13,0 W

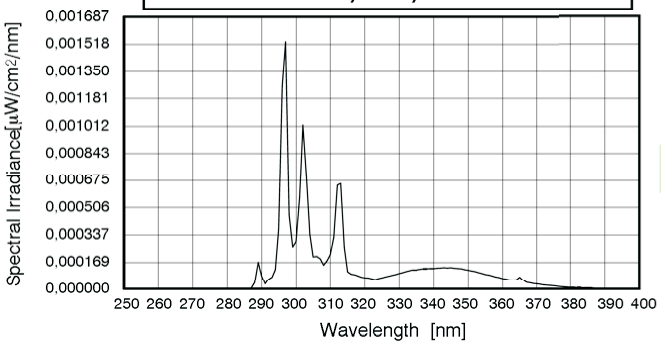
B) UV Action Curve vs. Wavelength
Proposal of the British Committee to amend EN 60335-2-59 :1997: Insect killers



Acc. to EN 60335-2-59 : 1997
CLC/TC61(GB)579

Total Effective Irradiance @ 1m distance
Max. 1mW/m²

C) Total Effective Irradiance vs. Wavelength
= A) x B)



Total Effective Irradiance @ 1m distance
0,160 mW/m²

Datenfile: MW15WT5BL350.dat

ATTENTION: **This UV energy source emits UV radiation. Avoid exposure to skin and eyes.**
Lamps comply with the requirements of IEC/EN 60081 and IEC/EN 61195, respectively.
Starter and ballast must comply with IEC/EN 60155 and IEC/EN 60921, respectively.
*** Life test according to IEC/EN 60081, Annex C.**